Cement, Concrete, and Aggregates Author Index Volume 15, 1993

Number	Issue	Pages
1	Summer	3-96
2	Winter	97-192

A

Aitcin, P-C: see Chanvillard, G, Jones, JP, and Aitcin, P-C

Al-Qadi, IL: see Weyers, RE, Brown, M, Al-Qadi, IL, and Henry, M

B

Boing, R: see Schmidt, M, Harr, K, and Boing,

Bollin, GE: Development of precision and bias statements for testing drilled cores in accordance with ASTM C 42, Summer, 85 Brown, M: see Weyers, RE, Brown, M, Al-

Qadi, IL, and Henry, M
Burns, PC: see Kolos, RM and Burns, PC

C

Chanvillard, G, Jones, JP, and Aitcin, P-C: Evaluation of the statistical significance of a regression and selection of the best regression using the coefficient of determination R₂, Summer, 31

D

Day, RL: Analysis of a Canadian database of mortar-cube strengths: the move toward a Canadian performance standard for portland cement, Winter, 128

Detwiler, RJ and Fapohunda, CA: Comparision of two methods for measuring the chloride ion permeability of concrete, Summer, 70

Summer, 70 Dubovoy, VS: *see* Tresouthick, SW, Dubovoy, VS, and Gajda, JW

Dutron, P: European (EN) and World (ISO) standards—comparison with ASTM standards, Winter, 145

E-F

Eldin, NN and Senouci, AB: Observations on rubberized concrete behavior, Summer, 74

Fapohunda, CA: see Detwiler, RJ and Fapohunda, CA

Frohnsdorff, G: see Hill, ED, Jr. and Frohnsdorff, G

G

Gajda, JW: see Tresouthick, SW, Dubovoy, VS, and Gajda, JW

Gaynor, RD: Cement strength and concrete strength—an apparition or a dichotomy?, Winter, 135

Gebhardt, RF: Why performance standards for hydraulic cement?, Winter, 119

Gifford, PM, Langan, BW, and Ward, MA: Use of fly ash in heat-cured concrete and the effect of post-curing storage regimes on strength, modulus of elasticity, and freezing-thawing durability, Summer, 14

Gillott, JE: see Wang, H and Gillott, JE Guirguis, S: New cement standards in Australia—its implication and further development, Winter, 170

H

Harr, K: see Schmidt, M, Harr, K, and Boing, R

Henry, M: see Weyers, RE, Brown, M, Al-Qadi, IL, and Henry, M

Hill, ED, Jr. and Frohnsdorff, G: Portland cement specifications: performance, prescription, and prediction, Winter, 109

J

Jackson, PJ and Lawton, JM: International development of standards for cements, Winter, 149

Johnston, CD: Effects of testing rate and age on ASTM C 1018 toughness parameters and their precision for steel fiber-reinforced concrete, Summer, 50

Jones, JP: see Chanvillard, G, Jones, JP, and Aitcin, P-C

K-L

Kantha Rao, VVL and Krishamoothy, S: Aggregate mixtures for least-void content for use in polymer concrete, Winter, 97

Kolos, RM and Burns, PC: Summary of the results of laboratory inspections conducted by the Cement and Concrete Reference Laboratory, Winter, 174

Krishnamoothy, S: see Kantha Rao, VVL and Krishnamoothy, S

Langan, BW: see Gifford, PM, Langan, BW, and Ward, MA

Lawton, JM: see Jackson, PJ and Lawton, JM

P

Patzias, T: Importance of precision statements in developing performance standards for cement, Winter, 124

Pistilli, MF and Willems, T: Evaluation of cylinder size and capping method in compression strength testing of concrete, Summer, 59

S-T

Sanduo, T: Special features of cement standards in China, Winter, 165

Schmidt, M, Harr, K, and Boing, R: Blended cement according to ENV 197 and experiences in Germany, Winter, 156

Senouci, AB: see Eldin, NN and Senouci, AB Struble, LJ: Introduction to symposium on current trends in cement standards, Winter, 108

Swamy, RN and Wan, WMR: Use of dynamic nondestructive test methods to monitor concrete deterioration due to alkali-silica reaction, Summer, 39

Tresouthick, SW, Dubovoy, VS, and Gajda, JW: Mortar workability apparatus: a new approach, Summer, 89

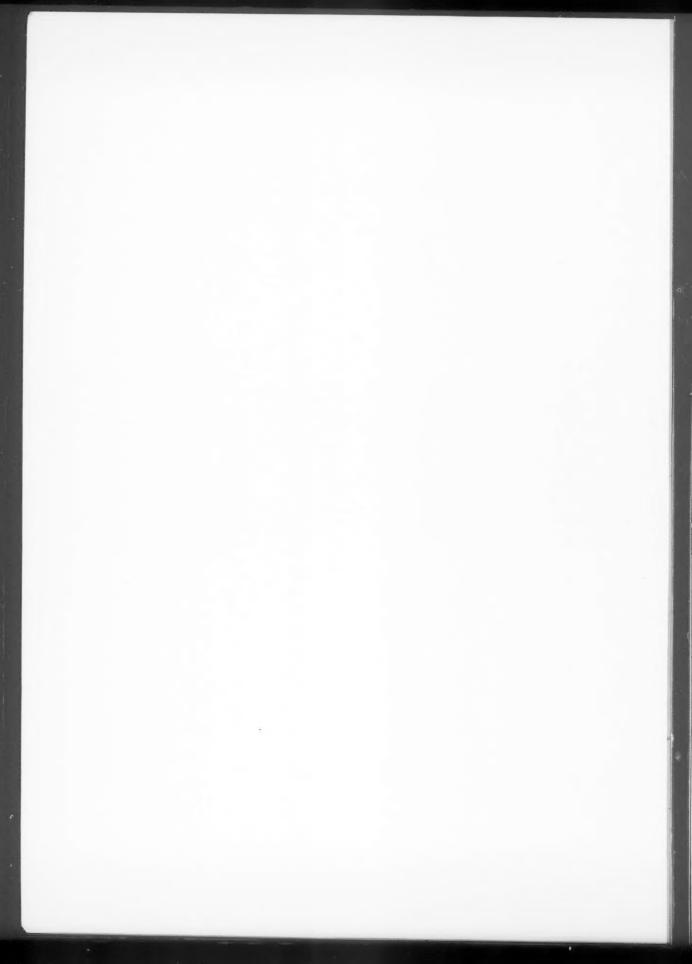
W

Wan, WMR: see Swamy, RN and Wan, WMR Wang, H and Gillott, JE: Effect of three zeo-lite-containing natural pozzolanic materials on alkali-silica reaction, Summer, 24 Ward, MA: see Gifford, PM, Langan, BW,

and Ward, MA

Weyers, RE, Brown, M, Al-Qadi, IL, and Henry, M: Rapid method for measuring the acid-soluble chloride content of powdered concrete samples, Summer, 3

Willems, T: see Pistilli, MF and Willems, T



Cement, Concrete, and Aggregates Subject Index Volume 15, 1993

AASHTO T 277

Comparision of two methods for measuring the chloride ion permeability of concrete (Detwiler, RJ and Fapohunda, CA), Summer. 70

Accelerated curing

Use of fly ash in heat-cured concrete and the effect of post-curing storage regimes on strength, modulus of elasticity, and freezing-thawing durability (Gifford, PM, Langan, BW, and Ward, MA), Summer, 14

Acceptance

Importance of precision statements in developing performance standards for cement (Patzias, T), Winter, 124

Aggregate proportions

Aggregate mixtures for least-void content for use in polymer concrete (Kantha Rao, VVL and Krishamoothy, S), Winter, 97

Alkali-silica reaction (ASR)

Effect of three zeolite-containing natural pozzolanic materials on alkali-silica reaction (Wang, H and Gillott, JE), Summer,

Use of dynamic nondestructive test methods to monitor concrete deterioration due to alkali-silica reaction (Swamy, RN and Wan, WMR), Summer, 39

ASTM standards

European (EN) and World (ISO) standards-comparison with ASTM standards (Dutron, P), Winter, 145

ASTM test methods

Summary of the results of laboratory inspections conducted by the Cement and Concrete Reference Laboratory (Kolos, RM and Burns, PC), Winter, 174

Australian standards

New cement standards in Australia-its implication and further development (Guirguis, S), Winter, 170

B

Development of precision and bias statements for testing drilled cores in accordance with ASTM C 42 (Bollin, GE), Summer, 85

Blended cement

Blended cement according to ENV 197 and experiences in Germany (Schmidt, M, Harr, K, and Boing, R), Winter, 156

New cement standards in Australia—its implication and further development (Guirguis, S), Winter, 170

Mortar workability apparatus: a new ap-

proach (Tresouthick, SW, Dubovoy, VS, and Gajda, JW), Summer, 89

C

Cement

Cement strength and concrete strength—an apparition or a dichotomy? (Gaynor, RD), Winter, 135

Special features of cement standards in China (Sanduo, T), Winter, 165

Cement and Concrete Reference Laboratory Summary of the results of laboratory inspections conducted by the Cement and Concrete Reference Laboratory (Kolos, RM

and Burns, PC), Winter, 174 Center line average

Mortar workability apparatus: a new approach (Tresouthick, SW, Dubovoy, VS, and Gajda, JW), Summer, 89

Special features of cement standards in China (Sanduo, T), Winter, 165

Chloride

Comparision of two methods for measuring the chloride ion permeability of concrete (Detwiler, RJ and Fapohunda, CA), Summer. 70

Rapid method for measuring the acid-soluble chloride content of powdered concrete samples (Weyers, RE, Brown, M, Al-Qadi, IL, and Henry, M), Summer, 3

Coefficient of determination

Evaluation of the statistical significance of a regression and selection of the best regression using the coefficient of determination R2 (Chanvillard, G, Jones, JP, and Aitcin. P-C), Summer, 31

Compressive strength

Cement strength and concrete strength-an apparition or a dichotomy? (Gaynor, RD), Winter, 135

Development of precision and bias statements for testing drilled cores in accordance with ASTM C 42 (Bollin, GE), Summer. 85

Evaluation of cylinder size and capping method in compression strength testing of concrete (Pistilli, MF and Willems, T), Summer, 59

Cement strength and concrete strength—an apparition or a dichotomy? (Gaynor, RD), Winter, 135

Development of precision and bias statements for testing drilled cores in accordance with ASTM C 42 (Bollin, GE), Sum-

Effects of testing rate and age on ASTM C 1018 toughness parameters and their precision for steel fiber-reinforced concrete (Johnston, CD), Summer, 50

Evaluation of cylinder size and capping method in compression strength testing of concrete (Pistilli, MF and Willems, T), Summer, 59

Use of dynamic nondestructive test methods to monitor concrete deterioration due to alkali-silica reaction (Swamy, RN and Wan, WMR), Summer, 39

Use of fly ash in heat-cured concrete and the effect of post-curing storage regimes on strength, modulus of elasticity, and freezing-thawing durability (Gifford, PM, Langan, BW, and Ward, MA), Summer, 14

Concrete bridges Rapid method for measuring the acid-soluble chloride content of powdered concrete samples (Weyers, RE, Brown, M, Al-Qadi, IL, and Henry, M), Summer, 3

Cores

Development of precision and bias statements for testing drilled cores in accordance with ASTM C 42 (Bollin, GE), Summer. 85

Corrosion

Comparision of two methods for measuring the chloride ion permeability of concrete (Detwiler, RJ and Fapohunda, CA), Sum-

Rapid method for measuring the acid-soluble chloride content of powdered concrete samples (Weyers, RE, Brown, M, Al-Qadi, IL, and Henry, M), Summer, 3

Cylinder size

Evaluation of cylinder size and capping method in compression strength testing of concrete (Pistilli, MF and Willems, T), Summer, 59

D

Durability

Observations on rubberized concrete behavior (Eldin, NN and Senouci, AB), Summer, 74

Use of dynamic nondestructive test methods to monitor concrete deterioration due to alkali-silica reaction (Swamy, RN and Wan, WMR), Summer, 39

E

European standards

Blended cement according to ENV 197 and experiences in Germany (Schmidt, M, Harr, K, and Boing, R), Winter, 156

European (EN) and World (ISO) standards-comparison with ASTM standards (Dutron, P), Winter, 145

- Importance of precision statements in developing performance standards for cement (Patzias, T), Winter, 124
- Expansion
- Effect of three zeolite-containing natural pozzolanic materials on alkali-silica reaction (Wang, H and Gillott, JE), Summer, 24

F

Fiber-reinferced

- Effects of testing rate and age on ASTM C 1018 toughness parameters and their precision for steel fiber-reinforced concrete (Johnston, CD), Summer, 50
- First-crack strength
- Effects of testing rate and age on ASTM C 1018 toughness parameters and their precision for steel fiber-reinforced concrete (Johnston, CD), Summer, 50
- Fly ash
- Use of fly ash in heat-cured concrete and the effect of post-curing storage regimes on strength, modulus of elasticity, and freezing-thawing durability (Gifford, PM, Langan, BW, and Ward, MA), Summer, 14
- Fresh mortar
- Mortar workability apparatus: a new approach (Tresouthick, SW, Dubovoy, VS, and Gajda, JW), Summer, 89

G-L

Grinding surface ends

Evaluation of cylinder size and capping method in compression strength testing of concrete (Pistilli, MF and Willems, T), Summer, 59

Hydraulic cement

Why performance standards for hydraulic cement? (Gebhardt, RF), Winter, 119

Image analysis

Portland cement specifications: performance, prescription, and prediction (Hill, ED, Jr. and Frohnsdorff, G), Winter, 109

Least-void content

Aggregate mixtures for least-void content for use in polymer concrete (Kantha Rao, VVL and Krishamoothy, S), Winter, 97

M

Materials science

Portland cement specifications: performance, prescription, and prediction (Hill, ED, Jr. and Frohnsdorff, G), Winter, 109

Mathematical modeling

Portland cement specifications: performance, prescription, and prediction (Hill, ED, Jr. and Frohnsdorff, G), Winter, 109

Mortar cubes

Analysis of a Canadian database of mortarcube strengths: the move toward a Canadian performance standard for portland cement (Day, RL), Winter, 128

Mortar

Cement strength and concrete strength—an apparition or a dichotomy? (Gaynor, RD), Winter, 135

0

On-site inspections

Summary of the results of laboratory inspections conducted by the Cement and Concrete Reference Laboratory (Kolos, RM and Burns, PC), Winter, 174

P

Particle interference

Aggregate mixtures for least-void content for use in polymer concrete (Kantha Rao, VVL and Krishamoothy, S), Winter, 97

Performance standards

- Importance of precision statements in developing performance standards for cement (Patzias, T), Winter, 124
- New cement standards in Australia—its implication and further development (Guirguis, S), Winter, 170
- Why performance standards for hydraulic cement? (Gebhardt, RF), Winter, 119

Permeability

Comparision of two methods for measuring the chloride ion permeability of concrete (Detwiler, RJ and Fapohunda, CA), Summer, 70

Portland cement

- Analysis of a Canadian database of mortarcube strengths: the move toward a Canadian performance standard for portland cement (Day, RL), Winter, 128
- Blended cement according to ENV 197 and experiences in Germany (Schmidt, M, Harr, K, and Boing, R), Winter, 156
- Importance of precision statements in developing performance standards for cement (Patzias, T), Winter, 124
- International development of standards for cements (Jackson, PJ and Lawton, JM), Winter, 149
- New cement standards in Australia—its implication and further development (Guirguis, S), Winter, 170
- Portland cement specifications: performance, prescription, and prediction (Hill, ED, Jr. and Frohnsdorff, G), Winter, 109

Precasi

Use of fly ash in heat-cured concrete and the effect of post-curing storage regimes on strength, modulus of elasticity, and freezing-thawing durability (Gifford, PM, Langan, BW, and Ward, MA), Summer, 14

E

Regression

Evaluation of the statistical significance of a regression and selection of the best regression using the coefficient of determination R₂ (Chanvillard, G, Jones, JP, and Aitcin, P-C), Summer, 31

S

Slump

Observations on rubberized concrete behavior (Eldin, NN and Senouci, AB), Summer, 74

Specifications

International development of standards for cements (Jackson, PJ and Lawton, JM), Winter, 149

Standardization trends

Why performance standards for hydraulic cement? (Gebhardt, RF), Winter, 119

Standards

- European (EN) and World (ISO) standards—comparison with ASTM standards (Dutron, P), Winter, 145
- International development of standards for cements (Jackson, PJ and Lawton, JM), Winter, 149
- Introduction to symposium on current trends in cement standards (Struble, LJ), Winter, 108
- Special features of cement standards in China (Sanduo, T), Winter, 165

Statistical analysis

- Analysis of a Canadian database of mortarcube strengths: the move toward a Canadian performance standard for portland cement (Day, RL), Winter, 128
- Evaluation of the statistical significance of a regression and selection of the best regression using the coefficient of determination R_2 (Chanvillard, G, Jones, JP, and Aitcin, P-C), Summer, 31

Steel fibers

Effects of testing rate and age on ASTM C 1018 toughness parameters and their precision for steel fiber-reinforced concrete (Johnston, CD), Summer, 50

Strength

Analysis of a Canadian database of mortarcube strengths: the move toward a Canadian performance standard for portland cement (Day, RL), Winter, 128

Swelling

Observations on rubberized concrete behavior (Eldin, NN and Senouci, AB), Summer, 74

W-Z

Workability

Observations on rubberized concrete behavior (Eldin, NN and Senouci, AB), Summer, 74

World standards

European (EN) and World (ISO) standards—comparison with ASTM standards (Dutron, P), Winter, 145

Zeolite

Effect of three zeolite-containing natural pozzolanic materials on alkali-silica reaction (Wang, H and Gillott, JE), Summer, 24

